

## Department of Chemistry

Sl no.	Name of book	Quantity
1.	Physical Chemistry – A molecular approach (Donald A McQuarrie)	2
2.	Chemistry of Elements ( N N Greenwood)	1
3.	Instrumental Methods in Chemistry(Kar)	3
4.	Supramolecular Chemistry(Paul Beer)	1
5.	Green Chemistry (V. K Ahluwalia)	3
6.	Bio-organic, Bio-inorganic and Supramolecular Chemistry (P. S Kalsi)	1
7.	Orgnaic Chemistry Natural Products (Vol. 1) (O. P Agarwal)	3
8.	Orgnaic Chemistry Natural Products (Vol. 2) (O. P Agarwal)	3
9.	Organic Chemistry (Vol -2) (I. L Finar)	2
10.	Organic Chemistry (Vol -1) (I. L Finar)	2
11	Concept in nano chemistry	1
12	Nano Chemistry (Nishit Mathur)	1
13	Pery-cyclic Reactions (Ian Fleming)	1
14	Photochemistry and Perycyclic reactions (Jagdamba Singh)	1
15.	Physical Chemistry (K. L Kapoor) Vol 1	1
16.	Physical Chemistry (K. L Kapoor) Vol 2	1
17.	Physical Chemistry (K. L Kapoor) Vol 3	1
18.	Principles of Bio inorganic Chemistry ( Jeremy M Berg, S. J Lippard))	1
20.	Selected Topic in Inorgnaic Chemistry (Malik, Tuli and Madan)	2
21	Physical Chemistry (Puri, Sharma, Pathania)	2
22	Physical Chemistry (Negi and Anand)	3
23	Inorganic Chemistry (Puri, Sharma, Kalia)	2
25	Spectroscopy (Banwell)	3
26	Spectroscopy (Kar)	2
27	Essential of Physical Chemistry	2

	( B.S Bhal & G. D Tuli)	
28	Sucess Guides in Inorganic Chemistry (Madan & Tuli)	4
29	Sucess Guides in Organic Chemistry (R. L Madan)	4
30	Sucess Guides in Physical Chemistry(Madan & Tuli)	4
31	Spectroscopy (Pavia)	1
32	Organic Prcatical Chemistry (O. P Agarwal)	2
33	Inorganic Prcatical Chemistry	2
34	Physical Prcatical Chemistry	2

## Department of Computer

LIST OF BOOKS & JOURNALS			
SINo	Name of Book	Author Name	Qty
1	Python	Mike McGrath	5
		Narsimha	5
2	Mobile Computing	H. Ahmed	3
		Rajkumar	3
		Patnaik	3
		Samjay Sarmah	3
3	Cloud Computing	Rajkumar	5
		Miller	5
		M. N. Rao	5
4	Core Java	Balaguruswamy	10
5	Embedded System & architecture	RajKamal	5
		K. V. Shibu	5
		S. F. Barette	5
6	Matlab	Rudra Pratap	5
7	8085 Microprocessor	Goankar	10
8	Computer organization & Architecture	B. Govindarajalu	10
9	Programming with C	T. Jeyapooan	10
10	Data structure with C++	Lipschultz	6
		G. S. Baluja	6
11	Operating System	Stalling	10
12	UNIX Concept & Application	Sumitabha Das	10
13	Data Communication & network	Forouzan A	10
14	Database management system	Navathe S. B	10
15	VB 6 and VB. NET	Evangelos Petrontsos	8
		John Smiley	8
16	Structured system analysis & design	Rajkumar, J. B. Dixit	10
17	Cryptography & network security	William stallings	5
		Forouzen B A	5
18	Computer Graphics – C version	Donald Hearn & P Baker	10
19	HTML definitive guide	O ' reilley	10
20	JavaScript definitive guide	O ' reilley	10
21	E- commerce	k. K. Bajaj & Debjani Nag	20
		Sushila Madan	10
22	Tally	Ashok K. Nandi	5
		Soumya Ranjan Behera	5
23	Cascading Style Sheet (CSS)	Laura Lemay & Rafe Colburn	5
		Aravinda Shenoy	5
24	PL/Sql	Ivan Bayross	10
		P. S. Despande	10
25	HTML	John Duckett & Thomas Powell	10
26	Digital Signal Processing	Monson H. Hayer	5

### Department of Electronics

SL. NO.	REFERENCE BOOKS	AUTHER
1.	Modern Digital Electronics, Tata McGraw-Hill	R.P. Jain
2.	Principle of Electronics	VK. Mehta
3.	Electronic Communication Systems: Fundamentals through Advanced, Pearson Education	W. Tomasi
4.	Computer fundamental.	Rajaram V
5.	<i>Introduction to Microcomputer Microprocessor</i> , Dhanpat Rai and Sons.	Ram B.
6.	Handbook Series of Electronics & Communication Engineering Paperback – 2013	by Experts Compilation (Author)
7.	Communication Systems: Analog and Digital, Tata McGraw Hill	R. P. Singh and S. D. Sapre
8.	Programing with C.	Balagurusamy
9.	INTEGRATED ELECTRONICS: ANALOG AND DIGITAL CIRCUIT SYSTEMS 2 Edit...	Jacob Millman, Christos Halkias, Chetan D Parik
10.	The 8051 Microcontroller and Embedded Systems Using Assembly and ...	Muhammad Ali Mazidi
11.	Power Electronics PB English, Paperback,	P. S. Bimbhra
12.	Introduction to Neural Networks Using MATLAB 6.0 1st Edition English, Paperback	S. N. Sivanandam, S. Sumathi, S. N. Deepa
13.	Embedded System Design 2nd Edition	Paperback, Santanu Chattopadhyya
14.	71 Electrical & Electronic Projects (with CD):	<u>Nikhil Shukla</u>

15.	Fundamentals of Computers, Pearson-Education (2010)	Anita Goel
16.	Integrated Electronics, Tata McGraw Hill (2001)	J. Millman and C. C. Halkias,
17.	Analog Electronics	Authors- L.K. MAHESWARI, M.M.S.ANAND
18.	Basic Electronics	by R.S.Sedha
19.	BASIC ELECTRONICS	KOTHARI
20.	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING (WIND series)	V. JEGATHESAN, K. VINOTH KUMAR, R. SARAVANAKUMAR
21.	Basic Electronics, 1e Paperback - 2010	Ghatak & De
22.	ELECTRONICS PRACTICAL PB....2016	Gupta S
23.	MICROELECTRONICS	Jacob Millman and Arvin Gabel
24.	Power Electronics	Singh, M and Khanchandani, K
25.	Electric Circuits outline series, Tata McGraw Hill (2004)	S. A. Nasar, Schaum's
26.	Electrical Circuits, Outline Series, Tata	M. Nahvi & J. Edminister, Schaum's
27.	Network, Lines and Fields, , Prentice Hall of India	J.D.Ryder
28.	OP-Amps and Linear Integrated Circuit, 4th edition, 2000, Prentice Hall	R. A. Gayakwad
29.	Operational Amplifiers and Linear ICs, 3rd Edition, 2011,	David A. Bell
30.	Digital Principles and Applications, , 7th Ed., 2011, Tata McGraw	A.P. Malvino, D.P.Leach and Saha
31.	Electronic Communications, Pearson Education India.	, D. Roddy and J. Coolen

32.	Advanced Electronics Communication Systems, 6th edition, Prentice Hall.	- Tomasi
33.	Modern Digital and Analog Communication Systems, 4th Edition, 2011, Oxford University Press	B.P. Lathi
34.	Electronic Communication systems, 3rd Edn., 1999, Tata McGraw Hill.	G. Kennedy
35.	Principles of Electronic communication systems 3rd edition, McGraw Hill	Frenzel
36.	Microprocessor Architecture Programming & applications with 8085, 2002, R.S.	Goankar
37.	Embedded Systems: Architecture, Programming & Design 2008, Tata McGraw Hill	Raj Kamal,
38.	The 8051 Microcontroller and Embedded Systems Using Assembly and C, , 2nd Ed., 2007, Pearson Education India	M.A. Mazidi, J.G. Mazidi, and R.D. McKinlay
39.	Introduction to embedded system, 1st edition, 2009, McGraw Hill	K.V. Shibu,
40.	Introduction to Semiconductor materials and Devices, John Wiley & Sons	M. S. Tyagi
41.	The science and Engineering of Microelectronics Fabrication, 2010, Oxford University Press.	Stephen A. Campbell,
42.	A text book of Electrical Technology	A K Theraja
43.	Elementary Numerical Analysis, , 3rd Edn., 2007, Wiley India Edition	K.E. Atkinson
44.	A text book in Electrical Technology - S Chand & Co.	B L Theraja
45.	Computational Physics: An Introduction, etal. New Age International	R. C. Verma,

	Publishers, New Delhi(1999)	
46.	GATE IN ELECTRONICS	Arihant publication
47.	New Engineering Technology, The Educational Company of Ireland	Lawrence Smyth/Liam Hennessy
48.	Introduction to Numerical Analysis, 5th Edn., 2012, PHI Learning Pvt. Ltd.	S.S. Sastry
49.	Performance and design of AC machines, ELBS Edn.	M.G. Say
50.	A text book in Electrical Technology- S. Chand and Company.	- B L Theraja
51.	Antenna and Wave Propagation, PHI Learning.	Yadava,
52.	Wireless communication and Networks, , 2015, Oxford University Press.	Upena Dala
53.	Instrumentation Devices and Systems, Tata Mcgraw Hill (1998).	S. Rangan, G. R. Sarma and V. S. Mani,
54.	Antenna Theory, John Wiley & Sons, (2003) 2nd Ed.	Ballanis
55.	Optoelectronic Devices and Systems, , 2nd edn., PHI learning.	Gupta
56.	Introduction to fiber optics, Cambridge Univ. Press (1998)	AK Ghatak & K Thyagarajan
57.	Electrical Circuits 2014, Cambridge University Press	, K.A. Smith and R.E. Alley,
58.	Optoelectronics & Photonics, Pearson Education (2009)	S.O. Kasap,
59.	VLSI design, 2nd Edition, 2015, Oxford University Press.	Debaprasad Das
60.	Digital Signal processing, McGraw Hill, 1998	S. K. Mitra
61.	Verilog HDL. Pearson Education; Second edition (2003).	Palnitkar, Samir
62.	Principles of Digital Systems Design and VHDL. Cengage Publishing	LizyKurien and Charles Roth
63.	Digital Signal Processing McGraw Hill, India.	, S. K. Mitra,

64.	Getting started with MATLAB, 2010, Oxford University Press.	Rudra Pratap
65.	Fundamentals of Digital Signal processing using MATLAB, 2005, Cengage Learning	R.J. Schilling and S.L. Harris,
66.	Optoelectronics: An Introduction, Prentice Hall India (1996)	J. Wilson & J.F.B. Hawkes
67.	Digital Signal Processing, McGraw Hill, India.	S. K. Mitra,
68.	Introduction to measurements and instrumentation, 4th Edn. PHI Learning	Ghosh
69.	Digital Signal Processing, 2015, Oxford University Press, India	Tarun Kumar Rawat



### List of Books for Repairing and Maintenance of Electronic A

Sl. No.	Name of the book	Author	Quantity
1	Television Engineering: Audio and Video Systems	D. S. Bormane, P.B. Mane, R.R. Itkarkar	1
2	Fundamentals of Television and RADAR Engineering	K.K. Sharma	1
3	COLOUR TELEVISION - THEORY AND PRACTICE	Bali, S	1
4	Television and Video Engineering	Arvind Dhake	1
5	Basic Radio and Television	Sharma, S	1
6	TV Engineering and Video Systems	R G Gupta	1
7	TV & Radar Engineering for RGTU	DR. J.S.CHITODE	1
8	Modern Television Practice: Transmission, Reception and Applications	R. R. Gulati	1
9	Monochrome and Colour Television	R.R. Gulati	1
10	Radio And Television Repairing Coursebook	Dhirendra Singh	1
11	Laplace And Fourier Transforms Paperback	K.P. Gupta J.K. Goyal	1
12	Television Engineering	Varun Goyal	1
12	Introduction to Radar Systems	Merrill Skolnik	1
13	Introduction to Radar Systems Paperback – 2013	K.K. Sharma	1
14	Fundamentals of Optical Fibre Communication	Kumar S	1
15	Textbook on Optical Fiber Communication and its Applications	Gupta S.C	1
16	Antenna & Wave Propagation	Prasad	1
17	Antennas and Wave Propagation: For Anna University	<u>G.S.N. Raju</u>	1
TOTAL AMOUNT			

## Department of Mathematics

Sl Nos	Name of Books	Writer& Publisher	Quantity
1	Advanced Differential Equation	M.D. Raisinghania, S Chand Company	05
2	Introductory Method of Numerical Analysis	S S Sastry, Prentice Hall of India Pvt.Ltd	05
3	Numerical Analysis	G. Shankar Rao, New Age International	05
4	Mathematical Analysis	SC Malik & S Arora, New Age International	05
5	Analytical Geometry & Vector Analysis	B Das, Orient Book Company	05
6	Analytical Geometry of Two & Three Dimensions	R M Khan, New Central Book Agency	05
7	Abstract Algebra	V K Khanna & SK Bhambri, Vikas Publication	05
8	A First Course in Programming with C	T Jeyapooan, Vikas Publication	05
9	Numerical Methods using MATLAB	J H Metheus & H D Kink, Prentice Hall of India Pvt.Ltd	05
10	Linear Programming & Theory of Game	P M Karak, New Central Book Agency	05
11	Theory & Problems of Combinatorics	C Vasudeva, New Age International	05
12	Combinatorics	V K Balakrishnan	05
13	Linear Algebra	S Kumaresan, Prentice Hall of India Pvt.Ltd	02
14	Fluid Dynamics	M.D. Raisinghania, S Chand Company	03
15	Fundamental of Mathematical Statistics	V K Kapoor & S C Gupta, Sultan Chand & Sons	03
16	Fundamental of Applied Statistics	V K Kapoor & S C Gupta, Sultan Chand & Sons	03
17	Discrete Mathematics	N Chandrasekaran& M Umaparbothi, Prentice Hall of India Pvt.Ltd	03
18	Graph theory with Application	C Vasudeva, New Age International	03
19	A Introduction to Celestial Mechanics	T E Sterne, Inter Science Publication	03
20	Fundations of Astro-Dynamics	A E Roy, Mc Millan Company New York	03

## Department of Physics

### List of of M.Sc.( Physics) Books to be purchased

Sl. No.	Title	Author	Qty.
1	Matrices and tensors in Physics	A. W. Joshi	1
2	Elements of group theory for Physicists	A. W. Joshi	1
3	Mathematics Physics with Classical mechanics	Satyaprakash	1
4	Physics of atoms and molecules	Branson and Joachain	1
5	Intoduction to atomic spectra	White	1
6	Molecular Spectroscopy	Benewell	1
7	Atomic and molecular spectroscopy and laser	Rajkumar	1
8	Nuclear Physics	Krane	1
9	Fluid Mechanics	Landau and Lifshitz	1
10	Quantum Mechanics	Bransdan and Joachain	1
11	Introduction to Quantum Mechanics	Griffiths	1
12	Quantum Mechanics	Zetelly	1
13	Quantum Mechanics	Thankappan	1
14	Introductory Quantum Mechanics	Liboff	1
15	Modern Quantum Mechanics	J.J.Sakurai	1
16	Quantum Mechanics	Lokanath and Ghatak	1
17	Intoduction to Solid State Physics	C.Kittel	1
18	Solid State Physics	J.Dekker	1
19	Classical Mechanics	Rana and Joag	1
20	Intoduction to Classical Mechanics	Takwale and Puranik	1
21	Electronics	Robert boylested	1
22	Intoduction to nano-technology	Poole and F.J.Owens	1
23	Fortran-7	V.Rajaraman	1
24	MATLAB Primer	T.A .Davis	1
25	Let us C	Y.Kanetkar	1
26	Quantum theory of solids	C.Kittel	1
27	Solid State Physics	Ashcroft and Mermin	1
28	Statistical Mechanics	K.M.Khanna	1
29	Introduction to Plasma Physics	F.F.Chen	1
30	Handbook of thin film technology	Michelle and Glang	1
31	Introduction to Solid State Physics	O.Madelung	1
32	Theoretical Solid State Physics	Huang	1
33	Higher Engineering Mathematics	John Bird	1

Sl. No.	Title	Qty.
1	Mathematical Methods for Physicists, G.B. Arfken, H.J. Weber, F.E. Harris, 2013, 7th Edn., Elsevier.	1
2	An introduction to ordinary differential equations, E.A. Coddington, 2009, PHI learning.	1
3	Differential Equations, George F. Simmons, 2007, McGraw Hill	1
4	Mathematical Physics, Goswami, 1st edition, Cengage Learning	1
5	.Schaum's Outline of Programming with C++. J. Hubbard, 2000, McGraw-Hill Pub.	1
6	Mechanics, Berkeley Physics, vol.1, C.Kittel, W.Knight, et.al. 2007, Tata McGraw-Hill.	1
7	Introduction to Special Relativity, R. Resnick, 2005, John Wiley and Sons.	1
8	Mechanics, D.S. Mathur, S. Chand and Company Limited, 2000	1
9	Theoretical Mechanics, M.R. Spiegel, 2006, Tata McGraw Hill.	1
10	Practical Physics, G.L. Squires, 2015, 4th Edition, Cambridge University Press.	1
11	Electricity and Magnetism, Edward M. Purcell, 1986 McGraw-Hill Education.	1
12	Introduction to Electrodynamics, D.J. Griffiths, 3rd Edn., 1998, Benjamin Cummings.	3
13	Fundamentals of Optics, F.A. Jenkins and H.E. White, 1981, McGraw-Hill	1
14	Optics, Ajoy Ghatak, 2008, Tata McGraw Hill	1
15	The Physics of Vibrations and Waves, H. J. Pain, 2013, John Wiley and Sons	1
16	Fourier Analysis by M.R. Spiegel, 2004, Tata McGraw-Hill.	1
17	DE with MATLAB, Hunt Lipsman, Rosenberg 2014, Springer.	1
18	Scilab (A free software to Matlab): H.Ramchandran, A.S.Nair. 2011 S.Chand & Company.	1
19	Scilab : Apractical introduction to programming and problem and problem solving, Tejas Sheth.	1
20	Heat and Thermodynamics, M.W. Zemansky, Richard Dittman, 1981, McGraw-Hill.	1
21	Thermodynamics, Kinetic Theory & Statistical Thermodynamics, Sears & Salinger. 1988, Narosa.	1
22	Thermal Physics, S. Garg, R. Bansal and Ghosh, 2nd Edition, 1993, Tata McGraw-Hill	1
23	A Text Book of Practical Physics, I.Prakash & Ramakrishna, 11th Ed., 2011, Kitab Mahal.	2
24	Digital Principles and Applications, A.P. Malvino, D.P. Leach and Saha, 7th Ed., 2011, Tata McGraw.	1
25	Modern Digital Electronics, R.P. Jain, 4th Edition, 2010, Tata McGraw Hill.	2
26	Microprocessor Architecture Programming & applications with 8085, 2002, R.S. Goankar, Prentice Hall	1
27	Microprocessor 8086 Architecture Programming & interfacing	2
28	Concepts of Modern Physics, Arthur Beiser, 2002, McGraw-Hill.	1
29	Basic ideas and concepts in Nuclear Physics, K.Heyde, 3rd Edn., Institute of Physics Pub	1
30	Six Ideas that Shaped Physics: Particle Behave like Waves, T.A. Moore, 2003, McGraw Hill	1
31	Quantum Mechanics, Leonard I. Schiff, 3rd Edn. 2010, Tata McGraw Hill.	1
32	Solid state Physics by S.O.Pillai.	2
33	Quantum Mechanics, G. Aruldas, 2nd Edn. 2002, PHI Learning of India.	1

## Department of Zoology

Sr No	Books	Authors	Publication	Quantity
1	Economic Zoology	Dr. G.S Shukla, Dr. V. B. Upadhyay	Rastogi Publication	1
2	Fish and Fisheries	Prof. Kamleshwar Panday, Dr. J.P. Shukla	Rastogi Publication	1
3	Animal Physiology	Dr. K. A. Goel, Dr. K. V. Sastry	Rastogi Publication	2
4	Animal Physiology and Biochemistry	Dr. K.V. Sastry	Rastogi Publication	1
5	Animal Behavior	Dr. Reena Mathur	Rastogi Publication	1
6	Developmental Biology	Dr. K. V. Sastry, Dr. Vinita Shukal	Rastogi Publication	2
7	Endocrinology and Reproductive Biology	Dr. K.V. Sastry	Rastogi Publication	1
8	Parasitology	Prof. H.S. Singh & Dr. P. Rastogi	Rastogi Publication	2
9	Evolutionary Biology (General Biology)	Dr. B. S. Tomar, Dr. S. P. Singh	Rastogi Publication	2
10	Elements of Entomology	Dr. Rajendra Singh	Rastogi Publication	1
11	Cell Biology	Dr. C.B. Power	Himalaya publishing House	2
12	Animal Physiology	Mohan P Arora	Himalaya publishing House	1
13	Development biology	Mohan P Arora	Himalaya publishing House	1
14	Chordate Embryology	V K Agarwal & DR. P.S. VERMA	S. Chand Publishing	1
15	CELL BIOLOGY (CYTOLOGY, BIOMOLECULES AND	V K Agarwal & DR. P.S. VERMA	S. Chand Publishing	1

	MOLECULAR BIOLOGY)			
16	Cytology	V K Agarwal&DR. P.S. VERMA	S. Chand Publishing	1
17	Animal Behaviour (Ethology)	V K Agarwal	S. Chand Publishing	1
18	Cell Biology, Genetics, Molecular Biology, Evolution & Ecology	V K Agarwal & Dr. P .S.Verma	S. Chand Publishing	1
19	Genetics	V K Agarwal & Dr. P .S.Verma	S. Chand Publishing	1
20	Animal Physiology	Dr.P.S.Verma, V. K Agarwal & B S Tyagi	S. Chand Publishing	1
21	Cell biology	DR. P.S. VERMA , V K Agarwal	S. Chand Publishing	1
22	Cc Chatterjee'S Human PhysiolVol 1	Cc Chatterjee	CBS publishers & distributors Pvt. Ltd	1
23	C.C Chatterjee'S	C.C Chatterjee	CBS publishers &	1

	Human PhysiolVol 2		distributors Pvt. Ltd	
24	Medical Parasitology	Arora, D. R and Arora, B.	CBS publishers & distributors Pvt. Ltd	1
25	Animal Physiology	A. K. Berry	Emkay publications	1
26	A Textbook of Animal Histology	A. K. Berry	Emkay publications	1
27	Animal Behaviour	M. Raj	Assam Book	1
28	Applied Zoology	N.S. Pawar	Adhyayan	1
29	Concepts of Ecology	Adward J Kormondy	PHI	1
30	Dictionary of Zoology	R. McLennan	Good will	1
31	Understanding Parasitology	AmitSarkar	Discovery	1
32	Understanding Wildlife	Rajeev Tyagi	Discovery	1
33	Bioinformatics: Principles and Applications,	Ghosh Z and Mallick B.	Oxford University Press.	1
34	A text Book of Bioinformatics	Sharma, Munjal, Shankar	-----	1
35	Cell And Molecular Biology	E. D. P. De Robertis	Lippincott Williams & Wilkins	1

36	<i>Cellular and Molecular Immunology.</i>	Abbas, K. Abul and Lechtman H. Andrew	Saunders Publication.	1
37	<i>Lehninger's Principles of Biochemistry,</i> Indian Edition	Cox, M.M and Nelson, D.L.	W.H. Freeman and Co., New York.	1
38	A text book of Medical Physiology	Guyton and Hall	Elsevier	1
39	Kuby Immunology (sixth edition)	Thomas J. Kindt Barbara A. Osborne Richard Goldsby	-----	1
40	Molecular cell biology	Harvey Lodish, Arnold Berk ,Chris A. Kaiser, Monty Krieger, Matthew P. Scott, Anthony Bretscher, Hidde Ploegh , Paul Matsudaira	-----	1
41	Development Biology	Scott F. Gilbert, Susan R. Singer	-----	1
42	Fundamentals of Ecology.	Odum, E.P.	Indian Edition. Brooks/Col e	1
43	Ecology and field biology	Robert Leo Smith	Harper and Row publisher	1
44	<i>Molecular Biology Labfax II: Gene Cloning and DNA Analysis.</i> II Edition,	Brown, T.A.	Academic Press, California, USA.	1
45	Neuroscience: Exploring the brain	Mark F. Baer; Barry W. Connors.	-----	1